

# FAST TRACK: ANALYSIS USING SPSS STATISTICS

■ Duration: 1 day ■ Level: Intermediate

## TARGET AUDIENCE

Anyone who has worked with SPSS Statistics and wants to become better versed in the basic statistical capabilities of SPSS Statistics Base. This course targets those with limited or no statistical background. The course is also an appropriate refresher for those whose main statistical experience was gained many years ago.

## PREREQUISITES

General computer literacy. Completion of the Fast Track: SPSS for New Users/Fast Track: SPSS for Existing Users or Fast Track: Data Management & Manipulation courses or experience with SPSS Statistics including familiarity with opening, defining, and saving data files and manipulating and saving output.

## OVERVIEW

The focus of this one-day course is an introduction to the statistical component of SPSS Statistics Base. This is an application-oriented course and the approach is practical. You'll take a look at basic statistical techniques and discuss situations in which you would use each technique, how to set up the analysis using SPSS Statistics as well as how to interpret the results. This includes techniques for exploring and summarizing data, as well as testing underlying relationships. You will gain an understanding of when and why to use these various techniques as well as how to interpret their output, and graphically display the results using SPSS Statistics.

This course uses the SPSS Statistics Base.

## COURSE CONTENT

Following an introduction to essential terminology, you will proceed logically through the following topics:

- Introduction to statistical analysis
- Data checking
- Describing categorical data
- Summarizing continuous data
- Measures of central tendency and dispersion
- Probability and inferential statistics
- Comparing categorical variables: crosstabs and chi-square
- Mean differences between groups: t-test
- Bivariate plots and correlations
- Introduction to simple regression